

VIKAS MISHRA

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LinkedIn | GitHub | Portfolio

PROFESSIONAL SUMMARY

AI/ML Developer with hands-on experience in Python, Computer Vision, and Deep Learning. Worked on real-time AI projects including Face Recognition Attendance Systems, Gesture-Controlled Virtual Mouse, and Weapon Detection using OpenCV, YOLOv5, and TensorFlow. Experienced in building practical AI solutions and data-driven applications for real-world problems.

TECHNICAL SKILLS

Core AI / ML: Python, Machine Learning, Deep Learning, Computer Vision, OpenCV, TensorFlow, YOLOv5, NLP

Data & Analytics: NumPy, Pandas, Statistics, Matplotlib, Seaborn, Scipy

Tools: Git & GitHub, Anaconda, Web Scraping, Tkinter

Web (Secondary): HTML, CSS, Basic JavaScript, WordPress

EXPERIENCE

Associate Developer – Vcana Global, Mohali (Mar 2024 – Jun 2025)

- Worked on the Garuda AI project focusing on AI/ML, Deep Learning, and Computer Vision.
- Built real-time weapon detection systems using YOLOv5 and OpenCV.
- Improved real-time detection accuracy through model tuning, threshold optimization, and testing.
- Developed and maintained 13+ responsive websites using HTML, CSS, and WordPress.

Frontend Developer (Part-time Freelance) (Jul 2025 – Present)

- Built client websites with responsive UI and SEO optimization.
- Developing a personal learning platform using HTML, CSS, and JavaScript.

PROJECTS

- **Garuda AI:** Real-time weapon detection using YOLOv5 & OpenCV
- **Face Attendance System:** Face recognition-based attendance using Python & OpenCV
- **Gesture-Controlled Virtual Mouse:** Hand gesture-based mouse control using MediaPipe & OpenCV
- **IPL Cricket Data Analysis:** Data analysis using Pandas & NumPy
- **Speech Translator (Hindi → English):** Speech-to-text, translation, and speech output using Python

EDUCATION

B.Tech in Computer Science – AKTU, 2023 (75%)

Senior Secondary (XII) – 73% | Secondary (X) – 75%

LANGUAGES & INTERESTS

Languages: Hindi, English

Interests: Exploring AI/ML technologies, Cricket